

Attorney Docket No.: KUZ-0024
Inventors: ITO et al.
Serial No.: 10/531,433
Filing Date: April 15, 2005
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): A transdermal patch for external use having a backing layer and a pressure-sensitive adhesive layer formed on one surface of the backing layer, comprising polyisobutylene, a mineral oil and fentanyl an active ingredient in the pressure-sensitive adhesive layer, contents of polyisobutylene and fentanyl in the pressure-sensitive adhesive layer respectively ranging from 75.2 to 94.2% by mass and 1 to 6% by mass while the content of the mineral oil being from 0.25 to 0.05 parts by mass based on ~~poyisobutylene~~ polyisobutylene.

Claim 2 (original): The patch according to claim 1, wherein the polyisobutylene is a mixture of a high molecular weight polyisobutylene of average molecular weight in a range from 800,000 to 1,600,000 and a low molecular weight polyisobutylene of average molecular weight in a range from 30,000 to 80,000.

Claim 3 (original): The patch according to claim 2, wherein a mass ratio between the high molecular weight

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polyisobutylene and the low molecular weight polyisobutylene is 1:9 to 2:3.

Claim 4 (previously presented): The patch according to claim 1, wherein the mineral oil is liquid paraffin.

Claim 5 (previously presented): The patch according to claim 1, wherein the pressure-sensitive adhesive layer further contains a percutaneous absorption enhancer.

Claim 6 (original): The patch according to claim 5, wherein the percutaneous absorption enhancer is one or more selected from a group consisting of isopropyl myristate, isopropyl palmitate, sorbitan monooleate and oleyl alcohol.

Claim 7 (previously presented): The patch according to claim 1, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 8 (previously presented): The patch according to claim 2, wherein the mineral oil is liquid paraffin.

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Claim 9 (previously presented): The patch according to claim 3, wherein the mineral oil is liquid paraffin.

Claim 10 (previously presented): The patch according to claim 2, wherein the pressure-sensitive adhesive layer further contains a percutaneous absorption enhancer.

Claim 11 (previously presented): The patch according to claim 3, wherein the pressure-sensitive adhesive layer further contains a percutaneous absorption enhancer.

Claim 12 (previously presented): The patch according to claim 4, wherein the pressure-sensitive adhesive layer further contains a percutaneous absorption enhancer.

Claim 13 (previously presented): The patch according to claim 2, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 14 (previously presented): The patch according to claim 3, wherein the patch has an area of 5 to 80 cm² at a time of application.

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Claim 15 (previously presented): The patch according to claim 4, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 16 (previously presented): The patch according to claim 5, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 17 (previously presented): The patch according to claim 6, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 18 (new): The patch according to claim 1, wherein the content of polyisobutylene is 85.0 to 93.0% by mass and the content of mineral oil is 0.1 to 0.05 parts by mass based on polyisobutylene.

Claim 19 (new): The patch according to claim 2, wherein the content of polyisobutylene is 85.0 to 93.0% by mass and the content of mineral oil is 0.1 to 0.05 parts by mass based on polyisobutylene.

Claim 20 (new): The patch according to claim 3, wherein the content of polyisobutylene is 85.0 to 93.0% by

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mass and the content of mineral oil is 0.1 to 0.05 parts by mass based on polyisobutylene.